रजिस्ट्री सं० डी एल—33001/93

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 18th December 1993

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एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 18 दिसम्बर 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवधित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
कक्ष सं 401 से 405, तीसरा तल,
जीवनतारिका बाजार भवन,
कस्तूरबा मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पांडिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंटेस"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE AT 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under section 135, of the Patents Act, 1970.

20th October 1993

635/Cal/93. Steelsworth Limited. Improvements in or relating to CTC Machines in the tea industries.

636/Cal/93. Puwakdandawe Narayana Nandadasa. Packaging material and process for preparing the same. (Convention No. 10450; dated 20-11-1992; Sri Lanka).

637/Cal/93. Luchaire Defense S.A. Casing for a propellent charge.

638/Cal/93. Deutsche Audco GmbH and Ruhrgas Aktiengesellschaft. Ball Valve.

21st October 1993

639/Cal/93. Ing. Helfried Schnallinger. Process of making shaped articles from synthetic thermoplastic materials.

26th October 1993

640/Cal/93. Krone Aktiengesellschaft. Connection Module.

641/Cal/93. Krone Aktiengesellschaft. Multiple Contact.

642/Cal/93. Sotralentz S.A. A Pallet Container Comprising a Pallet, an outer housing and a plastic inner tank.

27th October 1993

643/Cal/93. Ohio Electronic Engravers, Inc. Pulse Technique for damping engrave head ringing.

644/Cal/93. Eaton Corporation. Lubricant pumping in tandem Drive Axles.

645/Cal/93. (1) D. K. Bhattacharyya, (2) Amit Kumar Ray, and (3) The Tata Iron and steel company Limited. A device for speed control of asynchronous induction motor.

646/Cal/93. (1) Vinod Kumar, (2) Kumar Ranjan Chatterjee, (3) Subimal Bikash Chaudhury, (4) Rajiv Suri, (5) Ghanshyam Acharya, (6) Purshottam Thakur, (7) Uday Shankar Sharma and (8) The Tata Iron and Steel Company Limited. A control system.

647/Cal/93. Ralph Glockemann. Reciprocating engine. (Convention No. PL5509 dated 27-10-92; Australia).

28th October 1993

648/Cal/93. Phillips Petroleum Company. An additive suitable for use in drilling completion or work over fluids.

649/Cal/93. Metzeler Automotive Profiles GmbH. Trapping protector for power operated closing devices.

APPLICATION FOR THE PATENT FILED AT THE PATENT OFFICE, BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-110005

28th June 1993

651/DEL/93. Shri Mangey Ram—"M. R. Engines".

652/DEL/93. Shri Mangey Ram—"M. R. Shakti".

653/DEL/93. Shri Sudhir Raghubir and Shri Gaj Pyndiah, "Ther Mocouple Solidstate Device for Heating Cooling".

654/DEL/93. The Procter & Gamble Company, "A Disposable Absorbent Article".

655/DEL/93. Imperial Chemical Industries PLC, "Surfactants". (Convention date 26-06-92, (U.K.).

656/DEL/93. Intec Pty. Ltd., "Production of Metal from Minerals". (Convention date 26-06-92 Australia).

657/DEL/93. B. N. Birla Science & Technology Centre, "A means for driving a wheel chair".

29th June 1993

658/DEL/93. Shri Kashmira Singh Sekhon, Narpinder Singh and Baljit Singh, "Technology for the production of instant pudding."

659/DEL/93. Shri Kashmira Singh Sekhon, Narpinder Singh and Baljit Singh, "Technology for the production of Pre-cooked Dalia and Pre-cooked Sooji".

660/DEL/93. Council of Scientific & Industrial Research, "A process for the preparation of super conducting YBa_2Cu_3 thick Films on new ceramic substrates".

661/DEL/93. Council of Scientific and Industrial Research, "A process for the manufacture of black boards with synthetic surface".

662/DEL/93. Council of Scientific and Industrial Research, "A Composition useful for the prepaartion of metal coated paper and a paper prepared thereby".

663/DEL/93. Council of Scientific and Industrial Research, "An Improved process for the separation of Dihydroxy Benzene Isomers using Zeolitex LTL."

664/DEL/93. The Goodyear Tire & Rubber Company, "Method and apparatus for detecting Ply defects in Pneumatic tires".

665/DEL/93. Laboratorios Cusi, S.A., "Pharmaceutical product container with two separate substances and a mixing device and dosed dispensation".

666/DEL/93. Motorola Inc., "Method and apparatus for over-the-air upgrading of radio modem application software".

667/DEL/93. Motorola Inc., "A Communications Device". (Convention date 2-7-92 and 21-5-93—U.K.).

30th June 1993

668/DEL/93. The Procter & Gamble Company, "Biodegradable, Liquid Impervious Monolayer Film Compositions".

669/DEL/93. The Procter & Gamble Company, "Biodegradable, Liquid Impervious Multilayer Film Compositions".

670/DEL/93. The Procter & Gamble Company, "Disposable, Compactable Shape-Restorable Package for storing and Dispensing Dry or Premoistened sheets".

671/DEL/93. The Procter & Gamble Company, "Detergent Compositions". (Convention date 15-07-92).

672/DEL/93. The Procter & Gamble Company. "Absorbent Article having tucked flaps".

673/DEL/93. The Procter & Gamble Company, "Absorbent Hydrogel Fines in Absorbent Structures. " (Convention date 02-07-92).

674/DEL/93. Shri Lungchiang HU. 'Thermostatic fry pan with bottom sensor".

675/DEL/93. Bausch & Lomb incorporated, "Integral Eyewear Frame".

676/DEL/93. Nalco Chemical Company, "Method for the alteration of siliceous materials from bayer process liquids".

677/DEL/93. Kennametal Inc., "Improved Toolholder Assembly and method".

678/DEL/93. Societe De Conseils De Recherches Et D'Applications Scientifiques (S.C.R.A.S.), "N-derivatives of (Pheny-Lethyl-B-OL). A process for their preparation and Pharmaceutical Compositions containing the same".

2nd July 1993

679/DEL/93. Yoshie Kurihara, Ashai Denka Kogyo Kabushiki Kaisha "Process for preparing a mouth wash composition.

680/DEL/93. Yoshie Kurihara, Ashai Denka Kogyo Kabushiki Kaisha "Process for preparing the chewing Gum Compositions."

681/DEL/93. Yoshie Kurihara, Ashai Denka Kogyo Kabushiki Kaisha "Process for preparing Foods, Drinks or Drugs."

682/DEL/93. Council of Scientific and Industrial Research, "An improved process for the preparation of white oils".

683/DEL/93. President and Fellows of Harvard College, "Vaccine for Cholera and method for the manufacture of the same".

684/DEL/93. H-C Industries, Inc. "Tamper-Indicating Plastic Closure with segmented pilfer band".

685/DEL/93. Coventry University, "Internal Combustion Engine" (Convention date 02-07-93 and 06-02-93 U.K.).

5th July 1993

686/DEL/93. Woodford Feeds Limited, "Ruminant Feedstuffs and their production" (Convention date 17-07-92 & 29-07-92—U.K.).

687/DEL/93. The Torrington Company, "Polymer Bearing Housing".

688/DEL/93. Colgate-Palmolive Company, "Mild Personal Cleansing compositions containing Sodium Alcohol Ethoxy Glyceryl Sulfonate".

689/DEL/93. GPT Limited, "Mobile Cordless Telephone system". (Convention date 03-07-92—U.K.).

690/DEL/93. R.S.P.D. Door Revolutionary Security Plus (1993) Ltd. "Door Locking System".

6th July 1993

691/DEL/93. The Procter & Gamble Company. "Enzymatic Detergent Compositions inhibiting dye transfer." (Convention date 15-07-92, 26-04-93 and 09-06-93 —U.K.).

692/DEL/93. The Procter & Gamble Company, "Detergent Compositions inhibiting dye transfer." (Convention date 15-07-92 and 26-04-93—U.K.).

693/DEL/93. The Procter & Gamble Company, "Dye transfer inhibiting compositions comprising bleaching agents". (Convention date 15-07-92, 06-11-92, 26-04-93 and 09-06-93—U.K.).

694/DEL/93. The Procter & Gamble Company, "Built dye transfer inhibiting compositions." (Convention date 15-07-92, 26-04-93 and 09-06-93—U.K.).

695/DEL/93. The Procter & Gamble Company, "Dye transfer inhibiting compositions comprising polymeric Dispersing agents". Convention date 15-07-92, 06-11-92, 26-04-93 and 09-06-93—U.K.).

696/DEL/93. The Procter & Gamble Company, "Surfactant-containing dye transfer inhibiting compositions." (Convention date 15-07-92, 06-11-92, 26-04-93 and 09-06-93—U.K.).

697/DEL/93. Prabha Ghanashyam Tasgaonkar, "A utensil".

698/DEL/93. Prabha Ghanshyam Tasgaonkar, "A utensil".

699/DEL/93. Mohammad Shakir Qidwai, "A cooking or heating appliance".

700/DEL/93. Mauvin Material and chemical processing limited "Process for de-inking paper and fabric cleaning".

701/DEL/93. Technitrol Inc., "Document counting & Batching Apparatus".

7th July 1993

702/DEL/93. The Torrington company, "Sealing structure for standardized bearing ring".

703/DEL/93. Motorola Inc., "Radio Data Interface device".

704/DEL/93. W.R. Grace & Co-Conn., "Aqueous Developable Photosensitive Polyurethane-(Meth) Acrylate".

8th July 1993

705/DEL/93. B. S. Dawa., "Improvements in or relating to "Chain Pulley Block."

706/DEL/93. Novatech, Inc., "Flavour enhancing composition containing colloidal silica and method for its preparation and use".

707/DEL/93. Council of Scientific & Industrial Research, "An Improved process for producing a catalyst composition useful for the production of Nicotino Nitrile".

708/DEL/93. Council of Scientific and Industrial Research, "A process for the preparation of Cocoa Butter equivalent from Mutton Tallow".

709/DEL/93. Bharat Heavy Electricals Limited, "Recovery of Chromium from inductrial wastes using ion exchange technique".

710/DEL/93. Bharat Heavy Electricals Limited, "Treatment of waste water containing syanide using ultraviolet radiation".

711/DEL/93. The Lubrizol Corporation, "Grease Compositions".

712/DEL/93. The Lubrizol Corporation, "Grease Compositions".

713/DEL/93. The Lubrizol Corporation, "Two-Stroke Cycle Lubricant Composed of a vegetable oil and an additive package".

9th July 1993

714/DEL/93. The Procter & Gamble Company, "Personal Cleanser with moisturizer".

715/DEL/93. The Procter & Gamble Company, "A Filled Package exhibiting a substantially colorless transparent appearance".

716/DEL/93. The Procter & Gamble Company, "A Layered, Absorbent structure, an absorbent article comprising the structure, and a method for the manufacture".

717/DEL/93. Colgate-Palmolive Company, "Synthetic detergent total body care product".

ALTERATION OF DATE UNDER SECTION—16

172860

(914/Cal/91)

Antedated to 17th October, 1988.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-56 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निगम की तिथि से चार(4) महीने या आवेदनकर्ता द्वारा उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के लघुत: विहित प्रपत्र 14 पर आवेदित एक महीने का अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व के उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. 92 E & D, Gr. [I(3)] 172841
Int. Cl.: B02C—7/02; 7/06.

AN IMPROVED FLOUR MILL.

Applicant & Inventor: VRAJLAL GORHANDAS KUKADIA, TRADING AS RAJRATNA ENGINEERING CORPORATION, TAKHTESHWAR PLOT, OPP. SAHAKARI HAT, BHAVNAGAR-364 002, GUJARAT, INDIA.

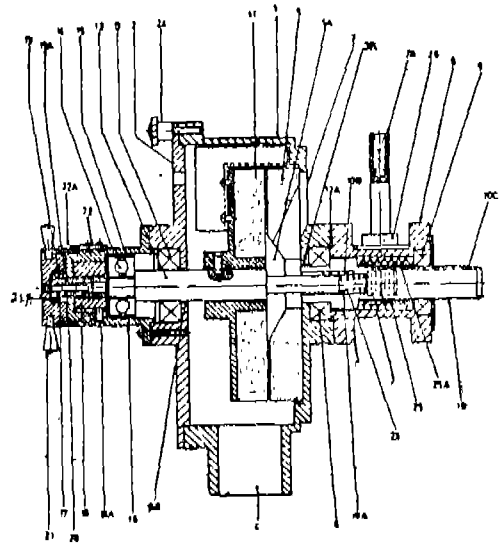
Application No. 85/BOM/1990. Filed April 23, 1990.

Comp. After Prov. Filed on 16-6-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

2 Claims

An improved flour mill having vertical grinding stones for grinding cereals, pulses grains and the like materials to the required fineness comprises a grinding chamber having a detachable cover fitted thereon, the said grinding chamber housing a stationary grinding stone and a rotating grinding stone and being provided in its inner side wall an inlet opening for feeding the material to be ground, an out-let opening at its bottom for the discharge of the ground material and an opening in the centre of the said side wall, a ball bearing being mounted on the said opening at the outer face of the side wall of the said grinding chamber, the detachable cover also having an opening in its centre and a ball bearing being mounted on the said opening at the outer face of the detachable cover, a stationary grinding stone having an axial hole in it being vertically fitted on the inner face of the said side wall of the grinding chamber in such a way that the axial hole in it is in communication with the said inlet opening of the said grinding chamber, a rotating grinding stone being fitted on a first shaft and supported in the said ball bearing mounted on the detachable cover, the free one end of the said first shaft being engaged into a thrust bearing, the said thrust bearing being enclosed in a thrust bearing cover and housing, the said housing being fitted on the outer face of the said detachable cover, the outer face of the said housing being provided with a peripheral cut step, a handle having a peripheral cut step at its inner side surface and an axial hole with a slot in it being provided against the said housing, a pressure nut being centrally support against the said thrust bearing cover inside the said housing with the help of a pin radially provided in side wall of the said housing, a pressure stud in thread engagement with the said pressure unit being provided in the said axial hole of the said handle an other pin being provided on one end of the pressure stud, a pressure ring provided with a lock strip at its outer surface being partly rigidly fitted in the said peripheral cut step of the said handle and a part of the said pressure ring remains projecting out of the said handle, the said handle being fitted out the outer end surface of the said housing, the peripheral cut step provided in the outer end surface of the said housing accommodates the said part of the said pressure ring projecting out of said handle and the said slot in the said axial hole of the said handle rotatably engages the said pin of the pressure stud, a guide strip provided on the outer surface of the said housing against the said lock strip provided on the said pressure ring are axially overloaping each other so as to limit the rotation of the said handle to use less than one rotation, the other end of the said first shaft fitted with the rotating grinding stone being provided with a wedge, a second power transmitting shall having an axial blind hole and a slot in the said axial blind hole engaging the said wedge of the said first shaft being provided on the opposite side of the said detachable cover and supported in the said ball bearing mounted on the outer surface of the said side wall of the grinding chamber, a spring being provided in the said axial blind hole bissing the inner face of the other end of the said first shaft, a worm having an in-built wedge on its inner side being engaged into the key way provided at the other end of the said second shaft when fitted on the said second, shaft, a worm wheel engaging into the said worm and having a spindle for attaching a stirrer being housed inside an other housing and covered with a worm wheel cap, the said other housing being fitted on the outer face of the said grinding chamber, a ball bearing being mounted on the outer end of the said other housing and rotatably supports the said second shaft, a driven pulley being fitted on the said other end of the second shaft and being connected to a drive pulley fitted on a motor through a v-belt.



Comp. Specn. 14 pages.

Prov. Specn. 9 pages. Drg. 1 sheet.

Ind. Cl. : 32 F2(b) [IX(1)] 172842
55 E4[XIX(1)]

Int. Cl. : A 61 K 31/155.

PROCESS FOR THE PREPARATION OF BIPHENYLYL GUANIDINE AND BIPHENYLYL CARBOXAMIDINE.

Applicants: BOOTS PHARMACEUTICALS LIMITED, 17, RAMJIBHAI KAMANI MARG, BALLARD ESTATE, BOMBAY-400 038, MAHARASHTRA, INDIA.

Inventor: DR. BALASUBRAMANIAN GOPALAN.

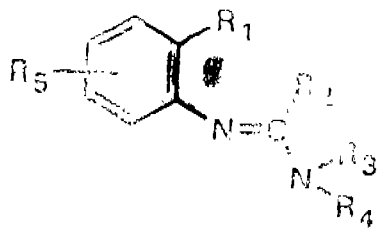
Application No. 126/BOM/1990 filed May 17, 1990.

Comp. After Prov. Left May 29, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

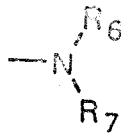
1 Claim

Process for preparing compounds of formula I.

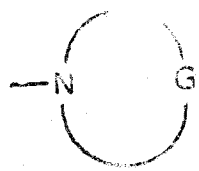


and their pharmaceutically acceptable salts, in which R_1 is phenyloptionally substituted by halo, alkyl of 1 to 3 carbon atoms, alkoxy of 1 to 3 carbon atoms, alkenoyl of 2 to 4 carbon atoms, or a group of formula $S(O)_nR^a$ in which $n=$

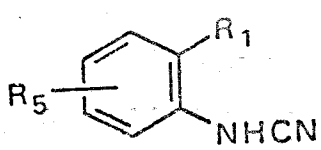
0, 1 or 2 and R_8 is an alkyl group of 1 to 3 carbon atoms; R_2 is a group of formula II



in which R_6 and R_7 are H; R_3 is H or a straight or branched aliphatic group of 1 to 4 carbon atoms; R_4 is (a) H, (b) a straight or branched aliphatic group of 1 to 6 carbon atoms optionally substituted by hydroxy or an acylated derivative thereof, by an alkoxy group containing 1 to 3 carbon atoms, by an alkylthio group containing 1 to 3 carbon atoms, by an optionally alkylated amino group, by a carbocyclic group containing 3 to 7 carbon atoms, by pyridyl or by cyano, (c) a carbocyclic ring containing 3 to 7 carbon atoms and optionally substituted by hydroxy with the proviso that R_3, R_4, R_6 and R_7 are not all methyl when R_1 is phenyl; or R_3 and R_4 together with the nitrogen atom to which they are attached form a heterocyclic ring of formula V.



in which G is an alkylene group of 4 to 6 carbon atoms optionally interrupted by oxygen, sulphur, sulphinyl, sulphonyl, or nitrogen optionally substituted by (a) a carbocyclic ring containing 3 to 7 carbon atoms (b) a methylsulphonyl group or (c) an alkyl group containing 1 to 3 carbon atoms and optionally substituted by hydroxy or an alkoxy group containing 1 to 3 carbon atoms, said alkylene group being optionally substituted by (a) one or more alkyl groups containing 1 to 3 carbon atoms and optionally substituted by hydrogen, (b) by one or more hydroxy groups or an ester thereof, (c) by one or more alkoxy groups, (d) by oxo or a derivative thereof (eg an oxime or ether) or (e) by one or more groups of formula $S(O)_mR_8$ in which m—0 or 1 and R_8 is an alkyl group containing 1 to 3 carbon atoms or in which G is an alkenylene of formula—CH_2—CH—CH$(CH_2)_2$— or group of formula— $(CH_2)_2C(OH)$ (Me) $(CH_2)_2$ or —$(CH_2)_2$ CH$(CONMe_2)$ $CH_2)_2$— and R_3 represents H or one or more optional substituents selected from halo, alkyl groups containing 1 to 4 carbon atoms, alkoxy groups containing 1 to 3 carbon atoms, trifluoromethyl, or groups of formula $S(O)_m$ R_8 in which m is O, 1 or 2 and R_8 is an alkyl group containing 1 to 3 carbon atoms; said process comprising the reaction of a compound of formula XIV



XIV

wherein R_1 and R_5 are as defined above, with an amine of formula NHR_3R_4 wherein R_3 and R_4 are as defined above to give compound of formula I in which R_2 is NH_2.

Ind. Cl. 67 Fr—[LI (2)] 172843

Int. Cl.: G 06 F—15/04.

AN APPARATUS FOR CONTROLLING THE EXECUTION OF INSTRUCTIONS IN A PIPELINE MODE.

Applicants: BULL HN INFORMATION SYSTEMS INC A COMPANY INCORPORATED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING ITS PRINCIPAL OFFICES AT TECHNOLOGY PARK, BILLERICA, MASSACHUSETTS 01821, UNITED STATES OF AMERICA.

Inventors: 1. DEBORAH K. STAPLIN, 2. JIAN-KUO SHEN.

Application No. 220/BOM/1990 filed on 27th August 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

4 Claims

. A apparatus for controlling the execution of instructions in a pipeline mode; wherein said data processing system comprises a plurality of serially-coupled stages (20-2, 20-4, 20-6), each of said stages performing a different operation in the execution of an instructions received thereby; wherein said instructions are received by the first of said stages (20-2), in succession; and wherein said apparatus is included in said first stage; said apparatus being characterized by;

an instruction decoder (20-260) for sensing each of said instructions received by said first stage and for delivering a respective set of signals; which set differs for each different type of instruction;

a circuit (20-290) coupled to said instruction decoder and responsive to said signal set for operating in a plurality of different states, the states in which said circuit operates being determined in part, by said signal set, said circuit generating at any time one of a plurality of different signals (INSTATE O-INSTATE 7), the one of said signals being delivered representing the current state of operation of said circuit; and

circuit paths (20-260, 20-270, 20-280, 20-220 "CONTROL STORE I/A ADDR. GEN CKTS") for applying the signals generated by said circuit to one or both of said first stage (20-2) and a second one of said stages (20-4) for controlling said stages to execute a different operation for the instruction causing the generation of said generated signal.

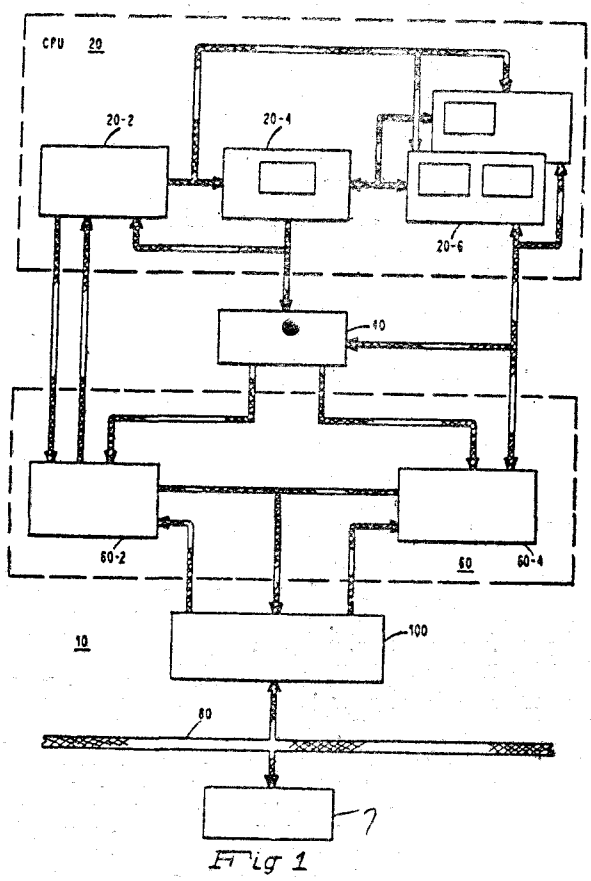


Fig 1

(Comp. Specn. 30 pages. Drwgs sheet)

Ind. Cl. 201D Gr. [II(4)] 172844

Int. Cl. C02F-1/00 1/30.

METHOD AND DEVICE FOR PRESERVING WATER RESOURCES IN PONDS/RIVERS INFESTED WITH AQUATIC PLANTS.

Applicants: AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION P.P. POLYTECHNIC, AHMEDABAD-380 015, GUJARAT, INDIA.

Inventor: DAMODARA M. RAMAKRISHNAN.

Application No. 257/BOM/1990 Filed Oct 1, 1990.

Comp. after Prov. left May 20, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Branch, Bombay-13.

4 Claims

Device for use in ponds and rivers, infested with aquatic plants, for the purpose of preserving water resources in the ponds/rivers, and consequently for maintaining the ecological balance, said device comprising an enclosure made of net/mesh material which does not contaminate the water, nor is caused to be destroyed by the water, the net/mesh having such pore size that no part(s) of the aquatic plants can have access therethrough, said enclosure having weight band(s) provided thereto at predetermined places, the weight band(s) being of such weight as to keep the enclosure a free-floating bodying the said pond/river, aided by the surrounding aquatic plants in the event of the enclosure being placed amidst the plants, in use of the device in the pond/river, whereby the top of the enclosure is adapted to remain above the top surface of the plants, and the bottom of the enclosure is adapted to remain below the root level of the plants, so as to permit air and sunlight to reach water surface and bottom of the pond/river.

AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION
NO. 257/BOM/90

TWO SHEETS
SHEET-2

(PROVISIONAL SPECIFICATION)

FIG. 3(a)

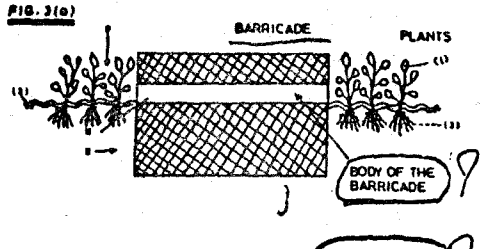
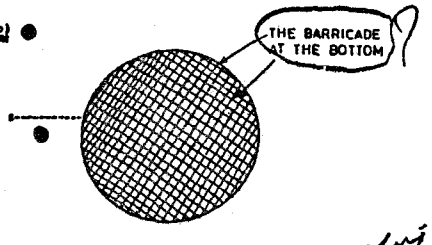


FIG. 3(b)



(D. P. AHUJA)
OF D. P. AHUJA & CO
APPLICANTS' AGENT

(Comp. Specn. 8 pages; Drgs Nil.
Prov. Specn. 5 pages; Drgs. 2 sheets.

Ind. Cl. : 69 B, G, [LIX(1)] 172845

Int. Cl. : H01 H-83/14.

DIFFERENTIAL PROTECTIVE RELAY APPARATUS.

Applicants: MITSUBISHI DENKI KABUSHIKI KAISHA, A JAPANESE COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF JAPAN, 2-3, MARUNOUCHI 2-CHOME, CHIYODA -KU, TOKYO 100, JAPAN.

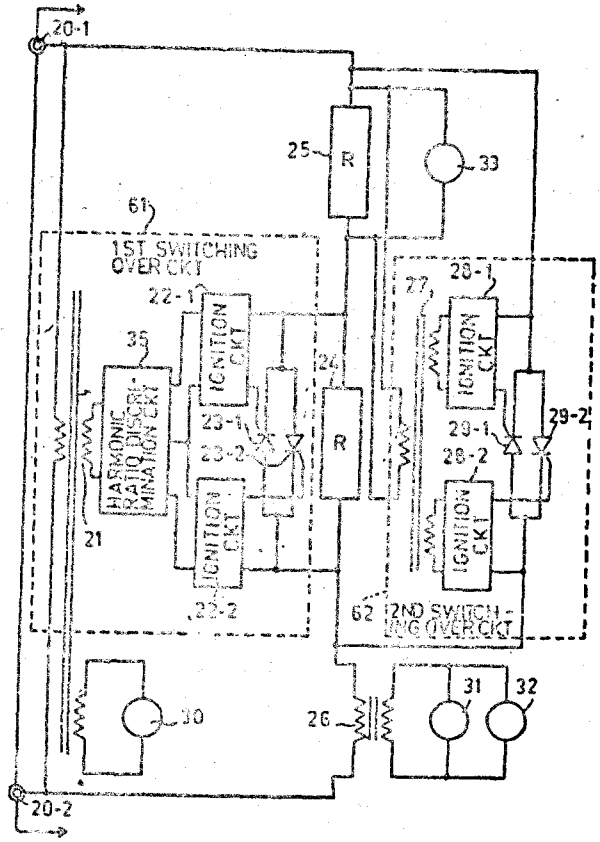
Inventors: 1. MAKOTO TERADA, 2. YOSUKE TSUJIKURA.

Application No. 279/BOM/1990 filed on 30th October 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

2 Claims

A differential protective relay apparatus for use across a differential circuit formed by the parallel connections of the secondary windings of current transformers of a power supply system, said apparatus comprising a first switching circuit for switching impedance of said differential circuit based upon function relationship between a fundamental component and even harmonic components in inputs into said differential circuit, a second switching circuit for switching the impedance of said differential circuit based upon terminal voltage of the differential circuit and a breaker tripping interlock circuit formed of a plurality of voltage detecting relay elements for detecting the impedance of said differential circuit switched by the first and second switching circuit, said apparatus automatically achieving low-impedance differential mode or high-impedance differential mode by taking either low-differential circuit impedance or high-differential circuit impedance utilising relationship between a fundamental component and even-number harmonic components.



(Comp. Specn. 32 pages. Drwgs 7 sheets)

Ind. Cl. : 140 A2 172846

Int. Cl. : C10M—125/00.

AN ANTIFRICTION COMPOSITION.

Applicants : INDIAN OIL CORPORATION LIMITED G-9, ALI YAVAR JUNG MARG, BANDRA (EAST) BOMBAY-400 051 MAHARASHTRA, INDIA AN INDIAN COMPANY.

Inventors :

1. RAKESH SARIN,
2. ASHOK KUMAR GUPTA,
3. AMBRISH KUMAR MISRA,
4. ELTEPU SAYANNA.
5. OM PRAKASH SRIVASTAVA &
6. AKHILESH KUMAR BHATNAGAR.

Application No. 39/Bom/91 filed on 4-02-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

6 Claims

An antifriction composition comprising 0.01-0.20% Mo level soluble Mo compound and 0.1 -2.0% S level ashless sulphur containing EP additive and conventional lubricants or grease, making the balance to make 100%.

(Comp. Specn. 13 pages. Drgs. Nil)

Ind. Cl. 170 B & D [XLIII (4)] 172847

Int. Cl. : C 11 D-1/34, 1/10, 1/37.

A COMPOSITION SUITABLE FOR CLEANSING THE WHOLE BODY SURFACE INCLUDING SKIN OR HAIR.

Applicants : HINDUSTAN LEVER LIMITED, 165/166, BACKBAY RECLAMATION, BOMBAY 400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT 1913.

Inventors : 1. DAVID HOWARD BIRTWISTLE & 2. PETER CARTER.

Application No. 42/BOM/1991 filed on 8th February 1991.

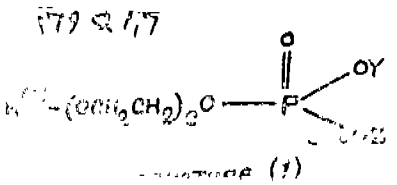
U.K. Priority dated 13-02-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

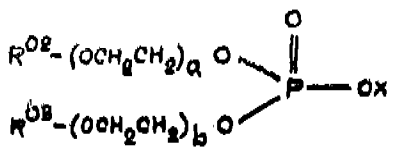
19 Claims

A composition suitable for cleansing the whole body surface including skin or hair, which comprises :

(a) from 1 to 98% by weight of monoalkyl or monoalkenyl phosphate surfactant having the structure (1) of the accompanying drawings



(b) from 1 to 50% by weight of dialkyl or dialkenyl phosphate surfactant having the structure (2) where



R^{01} is chosen from branched or unbranched alkyl and alkenyl groups having an average of from 10 to 18 carbon atoms;

R^{02} and R^{03} are each chosen from branched or unbranched alkyl and alkenyl groups having an average of from 10 to 18 carbon atoms;

X, Y and Z are each chosen from H, alkali metal, ammonium and substituted ammonium counterions;

a and b are each chosen from 0 or a value of from 1 to 10; and c is chosen from 0 or a value of from 1 to 4; and

(c) from 1to 50% by weight of a co-surfactant chosen from :

(i) alkylamidopropyl betaines, having the structure (11) and

(ii) alkylamphoglycinates, having the structure (12).

Where R^{04} is C_{10-16} alkyl

R^{05} and R^{06} are the same or different and are chosen from

CH_2COO^- and $(CH_2)_2COO^-$.

(Comp. Specn. 46 pages, Drgs. 2 sheets)

Ind. Cl. : 145 B and E 3 172848

Int. Cl. : D 21 D—3/00.

PROCESS FOR THE MANUFACTURE OF PAPER.

Applicants : HINDUSTAN LEVER LIMITED A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913, AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : 1. VELAYUDHAN NAIR GOPA KUMAR & 2. PATRICK G. JOBE.

Application along with provisional specification No. 106/BOM/1991 filed on 18-04-1991.

Complete after provisional specification left on 10-06-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

13 Claims

A process for the manufacture of paper from paper pulp comprising treating a pulp slurry to form paper sheets in a known manner in presence of a wet-end additive characterised in that wet-end additive is at least one graft copolymer of starch selected from the group consisting of starch graft-polymethacrylic acid, starch graft-polyacrylic acid, cationic starch graft-polymethacrylic acid and cationic starch graft-polyacrylic acid.

(Provn. Specn. 16 pages; Drwgs Nil)

(Comp. Specn. 19 pages; Drwgs Nil)

Ind. Cl. : 127 H, I Gr.. [LXV(1)] 172849

Int. Cl. : F 16 H—25/14, 25/00.

A DIFFERENTIAL CAM MECHANISM FOR CONTROLLED, UNIFORM MOVEMENT OF A REVOLVING TOOL AND THE LIKE AND A MACHINE/DEVICE COMPRISING THE SAID DIFFERENTIAL CAM MECHANISM.

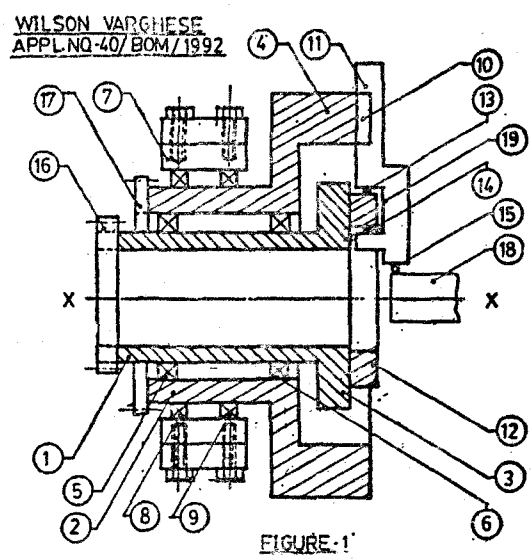
Applicant & Inventor : WILSON VARGHESE 12, A-2/2, AFCO SOCIETY L.I.C. COLONY BORIVALI (W), BOMBAY-400 103, MAHARASHTRA, INDIA, INDIAN NATIONAL.

Application No. 40/Bom/1992 filed on 4-2-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

14 Claims

A differential cam mechanism for controlled uniform movement of a revolving tool and the like comprising an outer pipe rotatably mounted in a static housing, an inner pipe rotatably and coaxially mounted inside the said outer pipe in spaced apart relationship, an inner flange provided at one end of the said inner pipe, an outer flange provided at one end of the outer pipe, a slot provided in the face of one of the said pipe flanges for slidably engaging therein one end of a cam follower/tool holder, a cam provided at the face of the other said pipe flange, the said cam follower/tool holder freely and slidably engaging the said cam, a tool adapted to be fixed at the other end of the said cam follower/tool holder, the free ends of the said outer and inner pipes being provided with power drive means for rotating the said pipes, independent of each other at desired variably speeds in both directions.



(Comp. Specn. 14 pages; Drwg. 1 sheet)

Ind. Cl.: 55 E1. 172850

Int. Cl. : A23K, 1/24.

POULTRY FEED ADDITIVES.

Applicants: HINDUSTAN LEVER LTD., 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors:
1. DR. MOHAN JAGANNATH KULTY,
2. SUBHASH MADHUKAR SULE,
3. DR. KALAPPURAYIL MATHEW CHERIAN,
4. DR. VIRENDER SINGH SHEORIAN.

Application No. 44/BOM/1992. Filed February 5, 1992.

Divisional to 91/BOM/90 dt. Jul 24, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

2 Claims

Poultry feed additive comprising rapeseed meal and a source of ionisable iodine such as herein described, in an amount sufficient to provide an equivalent to 5 to 2000 iodine in the total feed.

(Comp. Specn. 12 pages; Drwgs. Nil)

Cl.: 32 F 2 172851

Int. Cl.: C 07 C 179/10, 179/127.

PROCESS FOR PREPARING HETEROCYCLIC (POLY) PEROXYCARBOXYLIC ACIDS HAVING NITROGEN AMIDIC HETERO-ATOM.

Applicant: AUSIMONT S.R.L. OF 31, FORO BUONAPARTE, MILAN, ITALY.

Inventors: (1) CARLO VENTURELLO, (2) CLAUDIO CAVALLOTTI.

Application No. 443/Cal/89; filed on 12th June 1989.

Appropriate Office, for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

3 Claims

A process for preparing heterocyclic (poly) peroxy-carboxylic acids having nitrogen amidic hetero-atom, having the formula (I):

$$R — (CH_2)_m — R' \qquad (I)$$

wherein R and R', which may be equal to or different from each other, represent hydrogen atoms or a group of the formula as shown in Fig. 1 of the accompanying drawing with proviso that at least one between R and R' be different from H, and wherein the other symbols have the following meanings:

R'' represents a hydrogen atom or any other substituent nonreactive in the presence of the active oxygen of the percarboxylic group and/or in the preparation conditions;

m represents a number comprised between 1 and 12;

n represents a number selected from 0, 1 and 2;

p represents a number comprised between 1 and 3, characterized in that a substrate constituted by a heteroxylic (poly) carboxylic acid having nitrogen amidic hetero-atom, corresponding to the desired peroxycarboxylic acid having formula (I), is reacted with concentrated H_2O_2, by operating an acid medium, preferably methanesulphonic acid in a known manner as herein described and in that the peroxycarboxylic acid (I) is then separated from the reaction mixture by known techniques.

(Compl. Specn. 17 pages. Drgn. 1 sheet)

Cl.: 32 F 2 C 172852

Int. Cl.: C 07 C 103/18.

PROCESS FOR THE PREPARATION OF AN IMIDOPERCARBOXYLIC ACID OR SALT THEREOF.

Applicant: HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) HANSPETER GETHOFFER, (2) GRED REINHARDT.

Application No. 472/Cal/89; filed on 20th June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

3 Claims

A process for the preparation of an imidopercarboxylic acid or salt thereof of the formula I of the accompanying drawings, in which A denotes a group of the formula 2(a) to 2(e) in which n denotes the number O, 1 or 2, R' denotes hydrogen, chlorine, bromine, C_1—C_2— alkyl, C_2—C_{20} —alkenyl, aryl, preferably phenyl, or alkyl-aryl, preferably C_1—C_4 —alkylphenyl, R_3 denotes hydrogen chlorine, promine or a group of the formula —SO_3 M, —CO_3M or

OSO_3M, M denotes hydrogen, an alkali metal or ammonium ion or the equivalent of an alkaline earth metalion and X denote $C_1 - C_{19}$ —alkylette or arylene, preferably phenylene, the process comprising preparing imidocarboxylic acid in a manner known per se, oxidizing the simidocarboxylic acid thus obtained with an oxidization mixture of hydrogen peroxide and a strong acid, such as herein described, at a temperature of between 5 to 50°C the hydrogen peroxide being used as a 30 to 95% strength, aqueous solution, recovering imidoperoxycarboxylic acid from the reaction mixture in a known manner and if desired preparing a salt here in a manner known per se.

(Compl. Specn. 20 pages. Drgns. 2 sheets)

Cl.: 54+32C+83 A2 172853

Int. Cl.4: A 21 C 15/12,
A 23 L 1/27,
B 01 D 12/00.

A METHOD FOR THE EXTRACTION OF ANNATTO CONTAINING THE PIGMENT BIXIN FROM THE SEEDS OF BIXA ORELLANA USING EDIBLE REFINED OILS.

Applicants: (1) RAM PRAKASH ANEJA OF D. K. BLOCK SECTOR II, SALT LAKE CITY, CALCUTTA-700091; WEST BENGAL, INDIA AND (2) NATIONAL DAIRY DEVELOPMENT BOARD OF ANAND 388001, GUJARAT; INDIA.

Inventors: (1) DR. RAM PRAKASH ANEJA, (2) DR. JAGJIT SINGH PUNJRATH.

Application No. 475/Cal/89; filed on 21st June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

10 Claims

A method for the extraction of annatto containing bixin, to be used for colouring dairy butter, from the seeds of Bixa Orellana, characterised in that said seeds are treated solely with edible vegetable oils, duly refined, for example, refined groundnut oil or refined cottonseed oil, at a temperature in the range of 60 to 120 C, and filtering the oil containing annatto dissolved therein, and, optionally, said seeds being wetted with water, before treatment with said oil.

(Compl. Specn. 10 pages. Drgns. Nil)

Cl.: 69 Q. 172854

Int. Cl.: H 01 H 83/00.

CIRCUIT BREAKERS.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

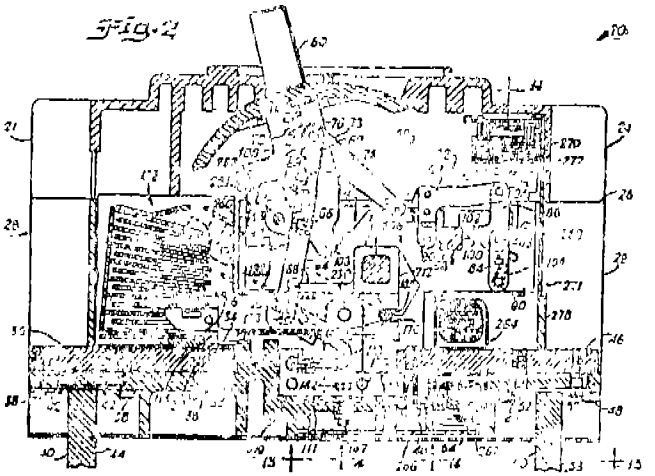
Inventors: CHARLES RICHARD PATON.

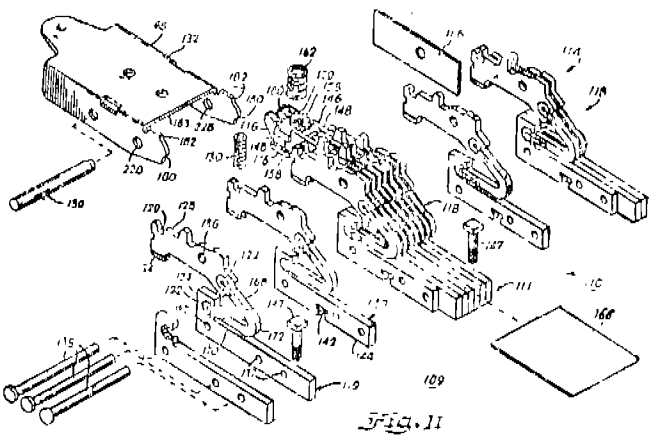
Application No. 543/Cal/89; filed on 11th July 1989.

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

14 Claims

A circuit breaker comprising a laminated contact assembly, having a housing comprising a base and an operating mechanism, the laminated contact assembly is formed from a plurality of movable contact assembly with fasteners securing said laminated contact assembly to said base, individual first contact assemblies comprising a plurality of first contact arms carrying first contacts, a plurality of first stationary conductors each preformed to receive corresponding fasteners, each first stationary conductor being coupled to one of said first contact arms by way of a flexible conductor, a plurality of second assemblies comprising a plurality of second contact arms carrying second contacts, a plurality of second stationary conductors each coupled to one of said second contact arms by way of the flexible conductor, means securing said first and second assemblies together, said second assemblies disposed adjacent said first assemblies tos capture said fasteners within said first assemblies.





(Compl. Specn. 28 pages. Drgns. 7 sheets)

Cl.: 117 D 172855

Int. Cl.: E 05 B 37/00.

COMBINATION DIAL LOCK.

Applicant & Inventor : CHAND CHARAN DAS OF GD-313, SECTOR III, SALT LAKE CITY CALCUTTA-700091, WEST BENGAL, INDIA.

Application No. 716/Cal/89; filed on 31st August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claims

A combination dial lock for iron safes, bank vaults, steel almirahs, cash chests, motor car, doors and like articles comprising a circular body(A) part with setting marks or indices marked thereon fitted to the door (W) of the article to be locked, a circular dial plate (B) having equally spaced numbered divisions marked thereon and an integral shaft (C) passing through a bush (X) integral with said body part, at least three lever wheels (D, E, F) having central holes, located on said shaft on the dial plate, washeres (G1E, G2, G3) slipped on said shaft spacing the lever wheels from each other and from said body part, each of all the lever wheels having a notch (N1, N2, N3) on its outer periphery,

the first lever wheel having a part spherical projection (Z1) on its rear side, the second lever wheel having two spherical dimples (Z2, Z3) projection at its two sides respectively and located at the same radius as the projection on the first lever wheel, the third lever wheel (F) having a plurality of spaced holes (h) each hole located at the same radius as the projection and the dimples on the first two lever wheels, a spring being provided around the shaft between the washer (G3) and the third lever wheel (F) which is fixed on the threaded part of the said shaft (C), a screw (Sc) and a nut (n) provided in one of the holes in the third lever wheel (F) to act as a stop number, the projection on the first lever wheel (D) being engageable with the dimple (Z2) on the second lever wheel (E) and the dimple (Z3) on the second lever wheel (E) being engageable in any one of the hole in the third lever wheel (F), the notches (N1, N2, N3) in all the lever wheels being brought into alignment by the dial plate according to the numerical code for setting the lever wheels, to receive the latch of the usual lever locking system permitting the article to be opened.

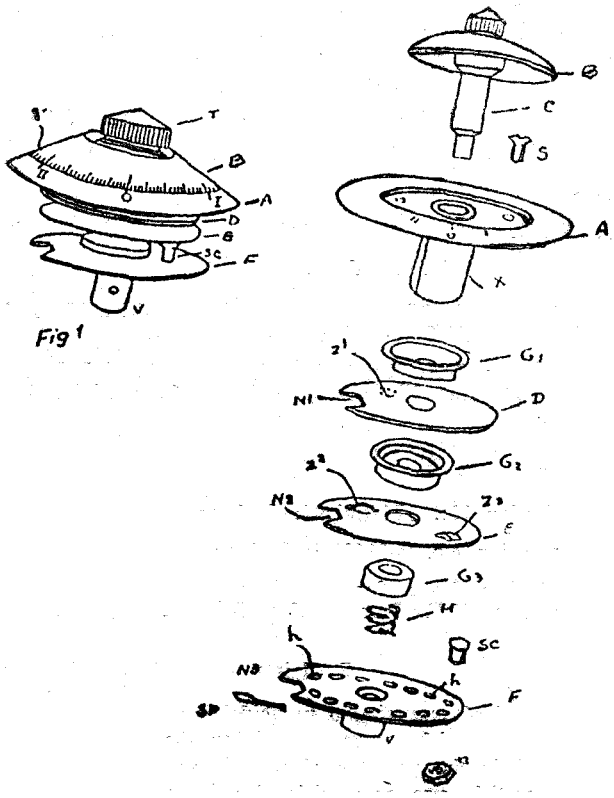


Fig 1

Compl. Sptcn. 16 Pages. Drugs. 2 Sheets.

Cl. 4A4, A7; 190 B. 172856.

Int. Cl. F 02 K, 3/00.

"GAS TURBINE JET ENGINE".

Applicant : UNITED TECHNOLOGIES CORPORATION, of 1 Financial Plaza, Hartford, Connecticut 06101, United States of America.

Inventors : (1) GREGORY S. PATTERSON, (2) JAMES B. KELLY.

Application No. 1/Cal/90; filed on 1st January, 1990.

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

12 Claims

A gas turbine jet engine having :

a compressor;

a turbine;

an augmentor;

a variable area exhaust nozzle;

a known anticipated engine pressure ratio value for any operating airflow and nozzle area condition, representing an undamaged compressor;

EPR sensing means for sensing the actual EPR and producing an actual EPR signal;

nozzle position sensing means for determining nozzle area;

nozzle adjusting means for varying the nozzle area; stall detecting means;

An EPR control mode comprising said nozzle adjusting means responsive to said EPR sensing means;

A base control mode comprising a fixed nozzle area;

characterized by :

EPR error means for es ablishing a quantitative actual EPR error signal by comparing the actual EPR signal to said anticipated EPR value;

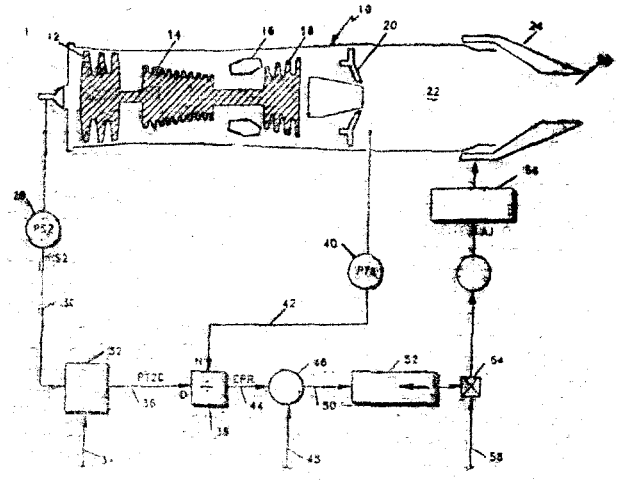
fan damage detect means defining a tolerable EPR fan damage error;

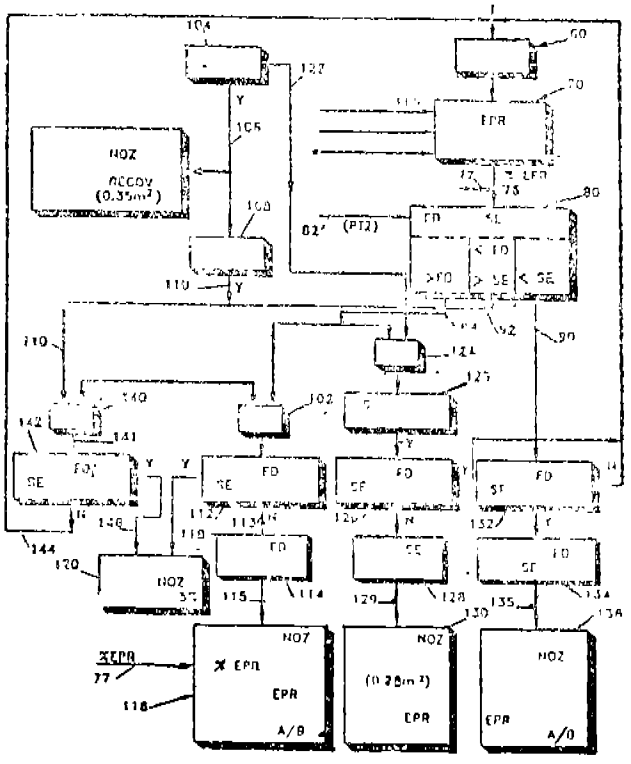
damage comparison means for comparing said actual EPR error signal to said tolerable EPR fan damage error of said fan damage detect means and establishing a fan damage signal, if said EPR error signal exceeds said tolerable EPR fan damage error;

a stall detection flag set in response to an immediately preceding stall;

fan damage accommodation means defining a predicted stall limit nozzle area as a function of potential EPR error signal, and including damage accommodation comparison means for comparing said actual EPR error signal to said potential EPR error of said fan damage accommodation means and determining a corresponding nozzle area; and

minimum area limit means responsive to said damage accommodation means, for limiting the minimum area of said nozzle to said corresponding area, but only in the presence of a set stall detect flag.





Compl. Specn. 12 Pages. Drgns. 2 Sheets.

Cl. 83 B 3. 172857.

Int. Cl. A 23 L 3/00.

"METHOD AND APPARATUS FOR PASTEURISING FOOD PRODUCTS OF CONSTANT QUALITY".

Applicant : OTTO TUCHENHAGEN GMBH & CO KG. of AM Industriepark 2-1/D-2059 Buchen, Federal Republic of Germany.

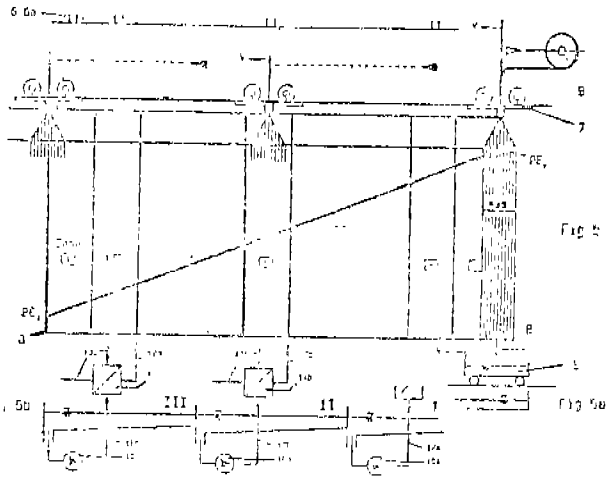
Inventor : GERD GAUDENDISTEL.

Application No. 263/Cal/91; filed on 04th April, 1991.

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules 1972)- Patent Office, Calcutta.

13 Claims

Method for pasteurising food products of constant quality comprising passing said product through different temperature zones including a superheating zone and pasteurising zone divided atleast in part into controllable sub-zones characterised in that on the occurrence of the tailback a cooling process is performed which cools the relevant section of the pasteurising zone over its width of action to a temperature which allows no increase, or a slight increase not exceeding the tolerance, in the number of pasteurisation units (PE) applied in that section to the product up to that time the cooling process beginning at the exit end of the pasteurising zone and progressing towards its entry end at a speed corresponding to the value of the throughfeed speed, at the end of the tailback time is, the time of action tkd of the cooling process at whatever final position it has then reached being determined by the difference between the pasteurising time tp and the tailback time ts (tkd=tp-ts for ts ≤tp) and, while with the progress of the cooling process the keephot process is switched off, it is switched on against at he throughfeed speed In the areas which have been cooled.



Compl. Specn. 31 Pages. Drgns. 5 Sheets

Cl. 55-D-2. 172858.

Int. Cl.[4] C 08 K 5/56, 5/07.

"A METHOD OF PREPARING A PESTICIDAL COMPOSITION BASED ON METALDEHYDE".

Applicant : CHILTERN FARM CHEMICALS LIMITED, of 11 High Street, Thornborough, Buckingham, MK18 2DF, England.

Inventors : (1) JOHN MISSELBROK, (2) MARGARETA DAVIES.

Application No. 374/Cal/91; filed on 17th May, 1991.

(Convention No. 9011187.3; filed on 18-05-90; U.K.).

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

7 Claims

A method of preparing a pesticidal composition based on metaldehyde, which comprises milling the metaldehyde in solid form in the presence of a surface-active agent until a desired particle size or particle size range, substantially 5 to 30 μm, is reached, and subsequently applying the milled material so formed to a solid carrier material.

Compl. Specn. 10 Pages. Drgns. Nil.

Cl. 55 E1. 172859.

Int. Cl. A 61 K 39/00.

"METHOD FOR PREPARING AN ORAL LIVE TYPHOID VACCINE".

Applicant : BORYUNG BIOPHARMA CO., LTD., of 250-3 Jookhyun-RI, Manseung-Myun, Jincheon-Kun, Chungcheong Book-Do, Korea.

Inventor : BONG WHA PARK.

Application No. 606/Cal/91; filed on 12th August, 1991.

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

4 Claims

A method for obtaining oral typhoid vaccine comprising the steps of :

(i) suspending cultivated bacteria out of the seed bacteria obtained from typhoid strain ty21a as described herein, in BHI medium, such as herein described, in protective medium such as herein described, e.g. composed of 8% lactose, 1% carboxymethyl cellulose, 5% skim milk, 0.2% $MgSO_4$. $7H_2O$ and 1% monosodium glutamate, and lyophilizing the suspended bacteria in the ampul,

(ii) activating the lyophilized bacteria and inoculating the activated bacteria in a medium, such as herein described, e.g. composed of 37g BHI, 5g L-lysine, 30g sorbitol, 1.5g K_2HPO, 0.5g$MgSO_4$ and 1 litre of distilled water with pH adjustment to 7.0.

(iii) fermenting the bacteria in fermentor, and formulating the bacteria for oral use; the fermenting temperature in fermentor being (i) at 30°C for first 6 hours, (ii) at 25°C for second 2 hours, and (iii) at 20°C for last 14 hours.

Compl. Specn. 10 Pages. Drgns. Nil.

Cl. 32 F 4. 172860.

Int. Cl. C 07 C 143/02.

"PROCESS FOR PREPARING ALKANESULFONIC ACID".

Applicant : ELF ATOCHEM NORTH AMERICA, INC. of Three Parkway, Philadelphia, Pennsylvania 19102, United States of America.

Inventors : (1) ALTAF HUSAIN, (2) GREGORY ALAN WHEATON.

Application No. 914/Cal/91; filed on 09th December, 1991.

Divided out of No. 864/Cal/88; antedated to 17-10-88).

Appropriate Office, for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

10 Claims

A process for preparing alkanesulfonic acid comprising contacting with hydrogen peroxide a mixture of an alkyl alkanethiolsulfonate with an aqueous hydrochloric acid solution to produce the corresponding alkanesulfonic acid, the amount of hydrogen chloride used ranging from 2 to 20 moles for each mole of alkyl alkanethiolsulfonate and the temperature of process ranging between 0 to 60°C.

Compl. Specn. 14 Pages. Drgns. Nil.

CLAIM UNDER SECTION 20(1) OF THE PATENT ACT

The claim made by M/S. ARMCO INC. under Section 20(1) of the Patent Act, 1970 to proceed the application for Patent No. 171008 to their name has been allowed.

PATENT SEALED

ON 19-11-1993

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171304 171306 171307 171317 171318 171319 171320
117324 171326 171330 171331 171333 171334 171335
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CAL—11, MAS—07, BOM—06 AND DEL—01

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—DRUG PATENT & F—FOOD PATENT

RENEWAL FEES PAID

151860 153730 155472 155846 156675 158735 159631
159669 160803 161253 161676 162003 162390 162596
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169019 169086 169719 170605 170921 170929 170951
170972 170975 171031 171057 171080 171082 171083
171086 171091 171098 171153 171159 171160.

REGISTRATION OF DESIGN

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the entries is the date of registration in the entry.

Class 1. No. 165346. Vijay Handa of 2/B, Mathura Road, Jangpura Extension, New Delhi-110014, India, Indian National. "Container closure". February 16 '93.

Class 1. Nos. 165561 & 165562. Elnova Pvt. Ltd. of B-289, Okhla Industrial Area, Phase-I, New Delhi-110020, India, "Uniterruptible power supply". April 20, 1993.

Class 3. No. 164748. Advert Pen (Mfg) Co. of 103, Bussa Industrial Estate, Hanuman Lane, Lower Parel, Bombay-400013, Maharashtra, Indian Partnership Firm. "Ball Pen". September 3, 1992.

Class 3. No. 164749. —do—. "Pen". September 3, 1992.

Class 3. No. 165345. Vijay Handa of 2/B. Mathura Road, Jangpura Extension, New Delhi-110014, India, Indian. "Container closure". February 16, 1993.

Class 3. No. 165507. Stick Vac Appliances (P) Ltd. of 170, Bommasandra Industrial Area, Anekal Taluk, Bangalore-562158, Karnataka, India, Indian Company. "Vacuum Cleaner". April 8, 1993.

Class 3. No. 165558 & 165559. Sinter Plast Containers, Plastics Division of The Bharat Vijay Mills Ltd. of Kalol (North Gujarat), Pin : 382721, Gujarat, India. "Drum". April 20, 1993.

Class 3. No. 165563. The Gillette Company of Prudential Tower Building, Boston, Massachusetts, U.S.A. "Razor". April 20, 1993.

Class 3. No. 165564. —do—. "Protective overcap for a razor head'. April 20, 1993.

Class 3. No. 165588. —do—. "Toothbrush". April 27, 1993.

Class 3. No. 165652. Oumashankar Sharma, Canadian of 7157, Shallford Road, Mississauga, Ontario L4T 2p6, Canada. "Tongue cleaner". May 19, 1993.

Class 3. No. 165785. Peico Electronics and Electricals Ltd. of Shivsagar Estate, Block "A", Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, Indian Co. "Mixer Grinder". June 23, 1993.

Class 3. No. 165806. Standipack Pvt. of 25, Community Centre, East of Kailash, New Delhi-110065, India, Indian Co. "Pouch". June 28, 1993.

Class 4. No. 165217. Pampasar Distillery Ltd., Indian Company of Chitwadgi-583211, Hospet, Bellary, Karnataka, India. "Bottle". January 25, 1993.

Class 4. No. 165419 & 165420. Mohan Meakin Ltd., Indian Company, Solan Brewery P.O., 173214, Simla Hills Himachal Pradesh, India, "Bottle", March 11, 1993.

Class 5. No. 164429. Stadium Design Bv of Weerensteinstraat 28, 2181 CA Hillegom, The Netherlands. "Package". March 16, 1993.

Class 5. No. 165347. Vijay Handa of 2/B, Mathura Road, Jangpura Extension, New Delhi-110014, India, Indian. "Container Closure". February 16, 1993.

Class 5. No. 165519. Haresh Chhotalal Mehta of Jayant House, Bail Bazar, Andheri-Kurla Road, Kurla Bombay-400070. Maharashtra, India. "Card Borard Flute". April 13, 1993.

Class 6. No. 165124. Delsey, Society, French Law (Societe Anonyme), 23, rue Saint Andre 93012 Bobigny, France. "Suitcase". December 18, 1992.

Class 12. No. 165218. Mcneil-PPC, Inc. Van Liew Avenue, Milltown, NJ 08850, U.S.A. "Wrapped twist tempons". January 28, 1993.

Class 12. No. 165618. Britannia Industries Ltd. of 5/1A, Hungerford Street, Calcutta-700017, W.B., India, Indian Co. "Biscuit". May 7, 1993.

R. A. ACHARYA
Controller General of Patents, Designs and Trade Marks

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